

CLAIMED IS:

1. A cultivator comprising:
a lower frame comprising a front and a rear;
two wheels attached to said front of said lower frame;
an upper frame attached to said lower frame and extending rearward;
tines attached to said rear of said lower frame and extending forward;
plow elements attached to said tines wherein said plow elements comprise a cutting point
and a cutting edge.
2. The cultivator of claim 1 wherein said upper frame terminates at handles.
3. The cultivator of claim 1 wherein said tines are in two rows.
4. The cultivator of claim 3 wherein said tines in a first row are staggered with respect to
said tines in a second row.
5. The cultivator of claim 4 comprising three tines in said first row and four tines in said
second row.
6. The cultivator of claim 1 further comprising a stabilizer span between said lower frame
and said upper frame.
7. The cultivator of claim 1 wherein said lower edge is at an angle of less than about 20°
with respect to a soil surface.
8. The cultivator of claim 1 wherein said wheels are parallel and have a common axis of
rotation.
9. The cultivator of claim 1 wherein said lower frame comprises a cross brace.
10. The cultivator of claim 9 wherein said tines are attached to said cross brace.
11. A cultivator comprising:

a lower frame with a front and a rear comprising:

lower support frame elements extending from said front to said rear; and

a cross brace attached to said lower support frame elements;

two wheels attached to said lower support frame elements;

an upper frame attached to said front of said lower frame and extending rearward;

J shaped tines attached to said cross brace with a shorter portion of said tines extending forward;

plow elements attached to said tines wherein said plow elements comprise a cutting point

and a cutting edge wherein said cutting edge is at an angle of about 25° to about 75° with respect to a soil surface.

12. The cultivator of claim 11 wherein said tines are in two rows.

13. The cultivator of claim 12 wherein said tines in a first row are staggered with respect to said tines in a second row.

14. The cultivator of claim 13 comprising three tines in said first row and four tines in said second row.

15. A cultivator comprising:

a lower frame with a front and a rear comprising:

lower support frame elements extending from said front to said rear; and

a cross brace attached to said lower support frame elements;

two wheels attached to said lower support frame elements;

an upper frame attached to said front of said lower frame and extending rearward;

J shaped tines attached to said cross brace with a shorter portion of said tines extending forward and wherein said tines are in two rows and wherein said tines in a first row are staggered with respect to said tines in a second row;

plow elements attached to said tines wherein said plow elements comprise a cutting point and a cutting edge wherein said cutting edge is at an angle of about 25° to about 75° with respect to a soil surface.